

# PIG-SIG<sup>®</sup> NI

## Non-Intrusive Pig Passage Indicator

### Options

The PIG-SIG NI makes the following options available to help customers meet individual application needs:

Long-distance viewing that permits operators to see confirmation of pig passage up to 100 meters away or from a helicopter or light aircraft (24-volt DC units only).

# PIG-SIG® NI

Indicator for various internal functions such as relay engagement, real time clock and user interface button



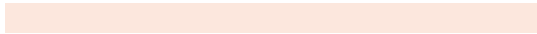
Representation of the last 10 pig passages recorded in memory

Passage time / current time

Passage date / current date

Either flashing or steady light

Stainless steel buckles and bands



## Parts & Accessories

Option	Part Number
Banding tool	04-3575-0005-00
Banding kit for 3" - 14" pipe includes 2 each 5-foot bands and 2 buckles	04-3575-0009-01
Banding kit for 16" - 34" pipe includes 2 each 10-foot bands and 2 buckles	04-3575-0009-02
Banding kit for 36" - 52" pipe includes 2 each 15-foot bands and 2 buckles	04-3575-0009-03
Banding kit for 54" - 72" pipe includes 2 each 20-foot bands and 2 buckles	04-3575-0009-04
Heat Insulator Kit*	04-3575-0022-00
Non-Conductive Isolator for Cathodic Protection	04-3575-0026-00

\*When the surface temperature of the pipe exceeds the maximum temperature rating of the unit, a Heat Insulator Kit must be installed between the bracket/antenna and the pipe.

## TDW Trip Magnets

TDW PIG-SIG® NI trip magnets are high-strength, rare-earth, permanent magnets which have been potted into a PVC or anodized aluminum outer shell. Each one has an integral 1/2-inch UNC stainless steel mounting stud. TDW PIG-SIG® trip magnets are supplied in three sizes: M1 for pigs up to 14-inches, M2 for pigs 16- to 30-inches, and M3 for pigs 32- to 48-inches. For pipes above 48-inch in O.D., custom trip magnets can be designed. Other types of trip magnets can be provided to suit customer needs. Standard trip magnets are rated up to 150° C / 300° F.

TDW PIG-SIG NI trip magnets will work effectively on virtually any brand or type of mechanical pig except spheres. Generally, the TDW PIG-SIG NI trip magnet should be mounted at or near the longitudinal axis of the pig, where it is not surrounded by metal. The long axis of the magnet should be along the central axis of the pig.

On certain types of non-metallic pigs, the magnet can be placed within the body, such as TDW's OptionAll™ pigs. On foam pigs with built-in transmitter

cavities, the magnet can be placed inside the cavity. On foam pigs without transmitter cavities, the magnet can be placed inside a hole that the user cuts into the rear of the pig. RTV Silicone may be used to seal the opening. For internal mounting dimensions, refer to the chart below.

On small, mandrel-body type pigs, such as TDW's WCK Pig, it will be necessary to modify the rear of the pig to add a special mounting bracket to accept the magnet. On large-bodied pigs, such as TDW's VANTAGE® Pig, a simple mounting plate can be added to the rear of the pig. The TDW PIG-SIG NI trip magnet requires a 0.562-inch diameter mounting hole for attachment to a bracket or plate and should be secured with a 1/2-inch UNC lock-nut.

The exact mounting component will vary from pig to pig. If the user cannot determine a suitable mounting, contact TDW and it will supply the necessary mounting parts for any brand or type of pig.

## Dimensions and Part Numbers

Trip Magnet	Pipe Size		Minimum Opening Sizes Required				Weight		Part Number
			Diameter		Length		Lbs.	Kg.	
	Inches	mm	Inches	mm	Inches	mm			
M1	up to 14	up to 350	1.375	35	3.370	86	1	0.5	04-3575-0004-01
M2	16 - 30	400 - 750	1.375	35	7.750	197	3	1.4	04-3575-0004-02
M3	32 & above	800 & above	1.625	41	13.125	333	5	2.3	04-3575-0004-03

